



PATENT
Attorney Docket No. 0329-0009.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
Ulrich Müller, et al.)
Serial No.: 10/677,880)
Filed: October 2, 2003)
Examiner:)
Art Unit:)
For: FLATNESS MEASUREMENT SYSTEM)
FOR METAL STRIP)

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Commissioner for Patents
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.97, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. The documents listed on Page 1 of the attached Form PTO/SB/08A include those documents that were cited by or submitted to the Patent Office in the parent application, Serial No. 09/034,481, filed March 4, 1998, which is being relied upon for an earlier filing date under 35 USC 120. Accordingly, pursuant to 37 C.F.R. §1.98(d), copies of those documents are not being submitted herewith. If copies of such documents are

not available to the Examiner or are otherwise required, Applicant will gladly provide them. The additional pages of Form PTO/SB/08A and PTO/SB/08B include newly submitted references Nos. 1-26, of which copies are included.

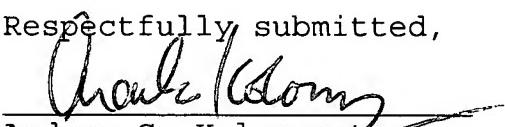
No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

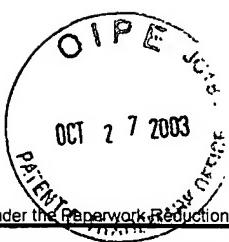
Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fee under 37 CFR 1.97(c) is required. If it is determined that a fee is required for this Information Disclosure Statement, please charge our Deposit Account No. 50/1039.

Respectfully submitted,


Andrew G. Kolomayets
Registration No. 33,723

COOK, ALEX, MCFARRON, MANZO,
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PTO/SB/08A (04-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/677,880
Filing Date	October 2, 2003
First Named Inventor	Uljrich Muller, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	0329-0009.01

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

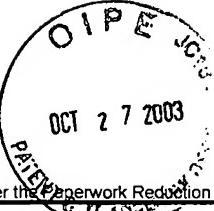
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		DE OS 20 13 867	10/07/1971		
		JP 62-9711	01/17/1987		
		DE 37 21 746	01/19/1989		
		JP 2-229610	06/12/1990		
		FR 2 725 512	04/12/1996		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, Washington, DC 20231**.

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Sheet 2 of 4

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
1	US- 4,634,279		01/06/1987	Ross et al.	
2	US- 5,155,363		10/13/1992	Steinbichler et al.	
3	US- 5,175,601		12/29/1992	Fitts	
4	US- 5,225,890		07/06/1993	Lee et al.	
5	US- 5,307,152		04/26/1994	Boehnlein et al.	
6	US- 5,359,668		10/25/1994	Lahajie et al.	
7	US- 5,448,359		09/05/1995	Schick et al.	
8	US- 5,505,113		04/09/1996	Wiest	
	US-				

FOREIGN PATENT DOCUMENTS

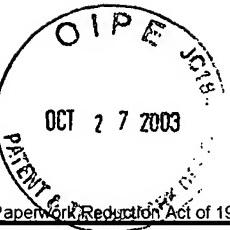
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		Country Code ³ Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
9	EP 0 470 815 A1		02/12/1992	Industrial Technology Inst.		✓
10	DE 41 42 564 A1		06/24/1993	Fa. Carl Zeiss		
11	WO 94/05968 A1		03/17/1994	John M. Fitts		
12	F1 950748		08/18/1996	Spectra-Physics Visiontech		

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Sheet	3	of	4	Attorney Docket Number	0329-0009.01

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	13	LIPPINCOTT, ET AL., "Optical-Digital Detection of Dents and Scratches on Specular Metal Surfaces," Applied Optics, August 15, 1982, pp. 2875-2881, Vol. 21, No. 16.	
	14	PIRLET, R, ET AL., "A Noncontact System for Measuring Hot Strip Flatness," Iron and Steel Engineer, July 1983, pp. 45-50,	
	15	H. MARGUERRE, "Automatisierte Qualitätsprüfung glanzender Oberflächen an Gebrauchsgegenständen durch strukturierte Beleuchtung," Feinwerttechnik & Messtechnik 93, 1985, pp. 35-37.	
	16	"Hot Strip Mill Profile and Flatness Study - Phase I," Association of Iron and Steel Engineers, October 1986, pp. 10-13 and 31-33.	
	17	"Hot Strip Mill Profile and Flatness Study - Phase II," Association of Iron and Steel Engineers, July 1989, pp. 59 and 108.	
	18	DITZHUIZEN, ET AL., "36 Performance Increase of Hot Strip Mills After Renovation," Dimensional Control in Rolling Mills, September 11-13, 1990, Imperial College, London, UK, pp. 321-333, Vol. 1.	✓
	19	BREUCKMANN, B., ET AL., "Sensoren und Geräte für die 3D-Meßtechnik," Fertigungsmesstechnik, 1992, pp. 383-386, Verlag, München.	
	20	GMA-Bericht 23, "Optisches Messen von Länge und Gestalt," (Manuskripte der Beiträge zum VDI/VDE-Aussprachetag, 11 and 12, October 1994, Düsseldorf, Germany.	
	21	KANTOLA, PEKKA, ET AL., "A New Solution to Flatness Measurement," Steel Times, August 1995, pp. 296, 298, Rautarukki Oy, Finland.	
	22	VASCOTTO, MARCO, "High Speed Surface Defect Identification on Steel Strip," MPT International, April 1996, pp. 70, 72-73, Trento (TN), Italy.	

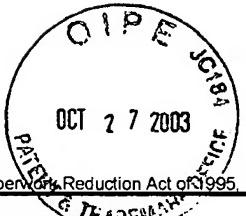
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	23	BREUCKMANN, BERND, ET AL., "Industrielle Praxis der topometrischen 3D-Messtechnik," (Industrial applications of topometrical 3D-metrology) pp. 195 and 200.	
	24	BREUCKMANN, BERND, ET AL., "Bildverarbeitung und optische Messtechnik in der industriellen Praxis," , Franzis', pp. 124-154.	
	25	GERSPACHER, PIRMIN, ET AL., "Berührungslose Ebenheits-prufung und Oberflachen-inspection," Vol. 12, pp. 256, 265, and 275.	
	26	BREUCKMANN, "Prospekt optoSIS S/S Oberflachen-Inspektions-System.	

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